

Hochschule Bremen
City University of Applied Sciences



ISSM
International Study Course
Ship Management (Nautical Studies)
Information for interested applicants

Date: 14.09.2018



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1. Study course and perspectives



Why to study at City University of Appl. Sciences Bremen?

- ✓ **Graduation** as B.Sc. also without STCW certificate possible!
- ✓ High **flexibility** regarding internships and sea training times!
- ✓ Fully in **English** – best preparation for international professionals!
- ✓ **Bremen** – a lively and modern city with many offers and opportunities!

Our Mission

- ✓ Providing studies in Nautical Sciences!
- ✓ International focus as guide line of education!
- ✓ Be a part of interdisciplinary Blue Science!
- ✓ Teaching future German and international professionals for jobs on board and ashore!
- ✓ Supporting the sailing and management of ships!



Since 1799: Bremer Navigationsschule

The International Study Course Ship Management ISSM aims to the qualification and competence of a deck officer at sea

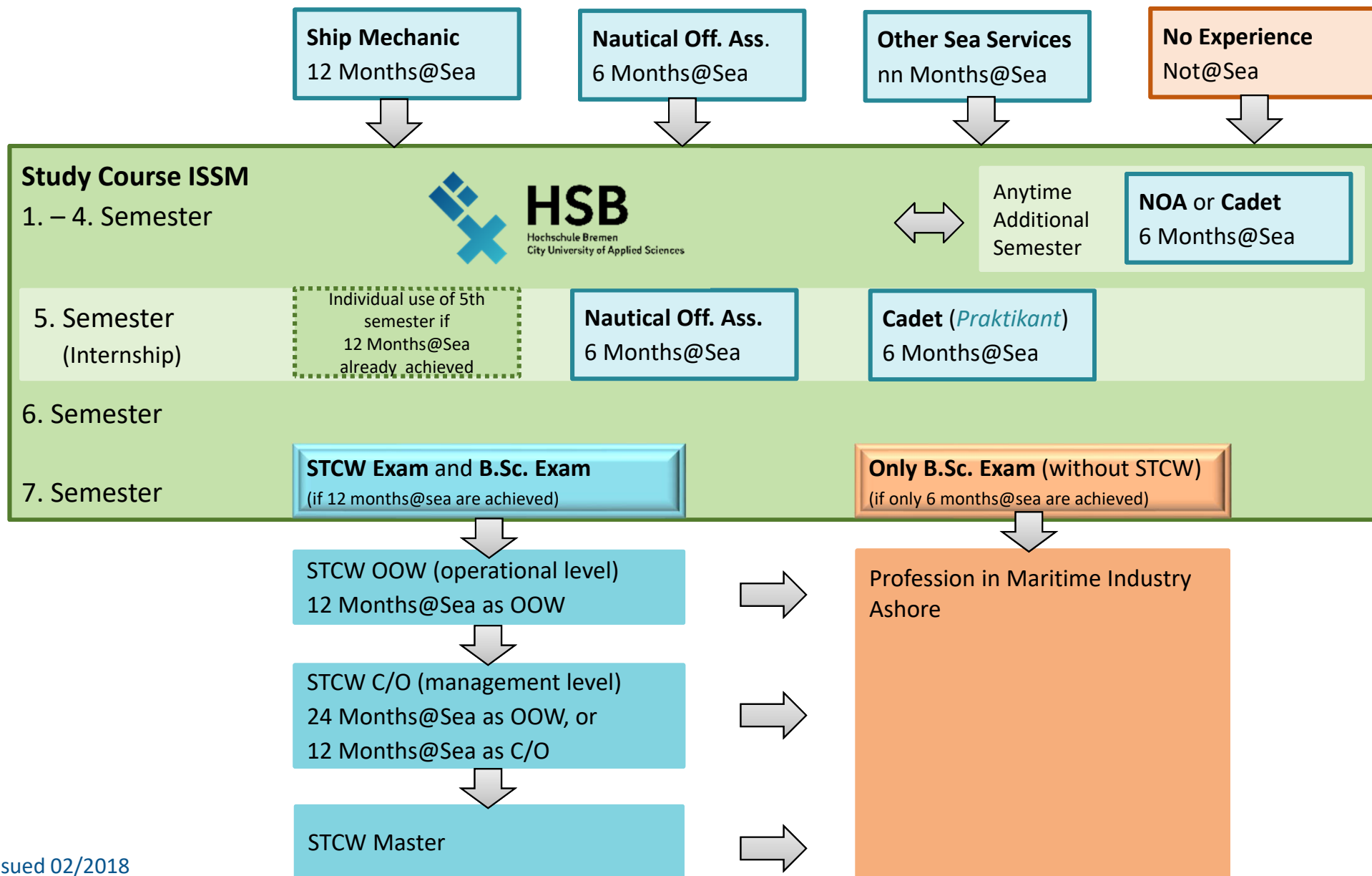
- Academic graduation as Bachelor of Sciences in Ship Management.
- Contains the STCW related theory to achieve a Certificate of Competence for a deck officer.
- Additional academic modules to achieve the BSc.

The International Study Course Ship Management ISSM aims to the qualification and competence of a deck officer at sea

- The German administration (flag state authority) provides a Certificate of Competence according to the STCW Table II/1;
- Qualifies to sail any seagoing ship greater as 500 GT in international trade!
- Start as Officer Of the Watch **OOW** (**supporting level**)
- After 12 months sea service as OOW a CoC for the **management level** as **Chief Officer** will be issued;
- After an additional sea service time of 12 months as C/O or 24 months as OOW a CoC for a **Captain** will be issued;

The paths to your job at sea or ashore!

(acc. German system)



Perspectives for employment in the labour market



Perspectives as Mariner are still positive!

- To start as Mate
- To become a Chief Officer
- To reach the Master position
- To become a Pilot

- ✓ Be motivated!
- ✓ Develop competences!
- ✓ Think about additional qualifications!
- ✓ Be flexible!
- ✓ Accept the rules of an international labour market!

Perspectives for employment in the labour market

Many challenging jobs for graduates with nautical background are available in the shipping industry ashore!

- In **shipping companies** as superintendents, QSHEE manager, crew manager, ...
- In the **energy industry** as nautical inspector, traffic controller, project manager, QSHE manager, ...
- In the maritime **software industry** as product manager, application developer for maritime solutions;
- In the **port logistics** as surveyor, cargo planner, transportation manager,
- In the **administration** of the flag state, the waterway administration, the safety organisation, water police, coast guard, traffic control, ..
- In the **maritime education** as course lecturer, course developer, training manager, ..

City University of Applied Sciences Bremen

It is great to study in Bremen!

See the image-video:

<http://www.hs-bremen.de/internet/de/hsb/imagefilm/>

The City University of Applied Sciences Bremen

- is located in the city of Bremen;
- is focussed to internationality;
- has 8,500 students of 35,000 students in Bremen;
- has 40% female students;
- It's a great place!



**Location
ISSM**

2. Bachelor of Science and STCW CoC



Bachelor of Science and STCW CoC

Bachelor of Science

- To provide a graduation as BSc is a public duty of the university;
- To achieve a BSc the study course has to be finished completely;
- The study course in Bremen comprises only **one semester** for internships and counts 7 semester in total;
- The practical 5th semester is dedicated to have 6 months of sea service time.
- The BSc can be achieved with 6 months of sea service time (practical semester)!

STCW OOW Certificate of Competence

- The issuing of CoC acc. to STCW is task and responsibility of the German flag state authority **BSH** (Bundesamt für Seeschifffahrt und Hydrographie);
- The **requirements** are
 - a **graduation** of an accepted maritime academy or university (as the HSB), and
 - **12 months** accepted sea service time as apprentice or cadet, documented by a Training Record Book,
 - All **additional certificates** as GOC and ECDIS.

Options for mandatory sea service time to achieve a STCW certificate

Option		A	B
		Sea Service 6m	
		Sea Service 6m	Sea Service 6m
Winter Term	Sem 1	ISSM	ISSM
Summer Term	Sem 2	ISSM	ISSM
Winter Term	Sem 3	ISSM	ISSM
Summer Term	Sem 4	ISSM	ISSM
Winter Term	Sem 5	Acceptance	Sea Service 6m
Summer Term	Sem 6	ISSM	ISSM
Winter Term	Sem 7	ISSM	ISSM
	in Sem 7	BEP	BEP
			Bachelor of Science
		OOW 12m	OOW 12m
			STCW OOW
			STCW C/O

- **Option A:** sea service as NOA or SM completely before the study course -> acceptance for 5th semester;
- **Option B:** 6 months sea service as NOA before the study course, in 5th semester 6 months sea service as cadet or apprentice (NOA);

Additional semester as option to gain mandatory sea service time to achieve a STCW certificate

Option		C1	C2	
Winter Term	Sem 1	ISSM	ISSM	
Summer Term	Sem 2	ISSM	ISSM	
Winter Term	add. Sem.	Sea Service 6m	Sea Service 6m	
Summer Term	add. Sem.	Sea Service 6m		
Winter Term	Sem 3	ISSM	ISSM	
Summer Term	Sem 4	ISSM	ISSM	
Winter Term	Sem 5	Acceptance	Sea Service 6m	
Summer Term	Sem 6	ISSM	ISSM	
Winter Term	Sem 7	ISSM	ISSM	
		BEP	BEP	Bachelor of Science
		OOW 12months		STCW OOW
				STCW C/O

- The sequence regarding the semester depends on own preferences and a logical sequence and availability of modules.

- The BEP (**profession entrance exam**) must be passed in the last semester, for participation a sea service time of 12 months and German level B1 is necessary!
- To achieve all sea service time within the study course an additional **semester** can be used!
- In any case **12 months** as apprentice or cadet are **mandatory** to gain a **STCW CoC**!
- In cases of less than 12 months sea service time an “alternative assessment” instead of the BEP will be provided to graduate as B.Sc.
- In the case of missing sea service time a **graduation as Bachelor of Science** will be possible!

Language Skills

English

- The requirement is **English Level B1** for entrance to the study course.
- Your English will be improved by every semester.
- With graduation the language level B2 can be stated.

German

- If the university entrance qualification is not from a German-teaching institution a language level **German B1** is necessary to finish the study course.
- To admit to the profession entrance examination for the STCW CoC at the end of the study course the level German B1 must be provided.
- Different courses are offered in Bremen.
- Anyway, it is **recommended** to gain the level German **B2** voluntarily in the time being student in Bremen.

3. Curriculum



ISSM Modules as from winter term 2016/17

PO 2016	ISSM International Ship Management (Nautical Sciences)				
	Module 1	Module 2	Module 3	Module 4	Module 5
Sem. 1 (WS)	1.1. Mathematics 1 Trigonometric Mathematics	1.2. Maritime Communication 1 Nautical English 1 / Maritime English 1	1.3. Maritime Economics Shipping Economics / Mar Business Mgmt	1.4. Maritime Human Resources 1 Maritime Medicine / Shipping Psychology	1.5. Engineering 1 Mechanics & Fluid Dynamics
Sem. 2 (SS)	2.1. Mathematics 2 Analytical Mathematics	2.2. Maritime Communication 2 Nautical English 2 / Maritime English 2	2.3. Maritime Law 1 Mar. Administration & Envir. Protection	2.4. Ship's Theory 1 Shipbuilding / Electrotechnics	2.5. Engineering 2 Thermodynamics / Chemistry
Sem. 3 (WS)	3.1. Ship's Command 1 Ship's Manoeuvring	3.2. Maritime Meteorology Meteorology	3.3. Navigation 1 Terrestrial Navigation	3.4. Ship's Theory 2 Ship's Stability	3.5. Cargo Handling 1 Dangerous Goods
Sem. 4 (SS)	4.1. Ship's Command 2 Collision Avoidance	4.2. Maritime Communication 3 Telecommunication (GOC)	4.3. Navigation 2 Celestial Navigation / Electronic Navigation	4.4. Ship's Technology Marine Engineering / Maritime Systems Control	4.5. Ship's Command 3 ECDIS / ARPA Course Ship Handling Simulator
Sem. 5 (WS)	5.1. Internship 2				
Sem. 6 (SS)	6.1. Emergency Management Safety Management / Security Management (SSO)	6.2. Cargo Handling 2 Cargo Technology	6.3. Maritime IT Systems Informatics	6.4. Elective 1	6.5. Elective 2
Sem. 7 (WS)	7.1. Maritime Law 2 Merchant Shipping Law	7.2. Maritime Human Resources 2 Labour Law / HR Mgmt	7.3. Ship's Command 4 STCW Competencies	7.4. Bachelor Thesis	

Certificates according STCW

Certificates included in the study course (B.Sc.) which are necessary for a CoC as OOW

- > **Medical First Aid and Medical Care**
- > **GOC** (General Operator Certificate/GMDSS Radio Operator)
- > **SSO** (Ship Security Officer)
- > **Tanker Basic Training** (if chosen as elective).

The BSH will issue STCW-certificates after successful graduation including sea service.

Further certificates of proficiency will be issued:

- > **ECDIS Basic** (Electronic Chart Display Information System),
- > **ECDIS Type Specific** (SAM WÄRTSILÄ NACOS Platinum)
- > **HAZMAT** Employees (US) and German Advise for Transportation of Dangerous Goods
- > **Bridge Resource Management**

Semester schedules 2018/19

Winter Term 2018/19

(1. semester will start in winter term)

Start of lectures: begin of October,
01.10.2018

End of lectures: end of January,
25.01.2019

Two weeks for assessment,
28.01.2019 – 08.02.2019

15 weeks lectures and 2 weeks Christmas
break

Summer Term 2019

(advanced students can join every semester)

Start of lectures: begin of March,
11.03.2019

End of lectures: end of June,
28.06.2019

Two weeks for assessment,
01.07.2019 – 12.07.2019

15 weeks lectures and 1 week Eastern break

All dates: <http://www.hs-bremen.de/internet/en/studium/studierendenservice/studienorganisation/semestertermine/>

Study course facilities

The study course is staffed by experienced professors and lecturers.

Visiting lecturers for specific modules will provide theory and practical experience.

As learning environment the HSB operates

- two state-of-the-art full-mission Ship Handling Simulators (ship bridges) with 270° perspective;
- an ECDIS- and Radar Simulator;
- a Ship Engine Simulator;
- a Liquid Cargo Simulator;
- a Telecommunication Laboratory;
- weather routing software;
- planetary.



The simulators are integrated in the study course in the last semesters as far as possible.

4. Sea Service Times



Acceptance of internships as apprentice (NOA or Ship Mechanics)

Ship Mechanics:

- The education as Ship Mechanics will be completed with a specific certification (*Schiffsmechanikerbrief*);
- The contract between trainees and shipping company is coordinated by BBS (*Berufsbildungsstelle See, Bremen*)
<http://www.berufsbildung-see.de> ;
- The sea service time will be completely accepted for the practical semester on basis of the education certificate (*Schiffsmechanikerbrief*).

Nautical Officer Assistants (NOA):

- Contract is directly between apprentice and shipping company
- **NO** status as **student**! Although the apprenticeship time can be within the time of studying in the practical semester and being a student.
- The contract is coordinated by BBS (*Berufsbildungsstelle See, Bremen*)
<http://www.berufsbildung-see.de> ;
- BBS will double check the training on board and will give an acceptance letter which can be provided to the University (internship coordinator);
- The performed sea service time as NOA will be accepted for the practical semester.
- **To start an education as NOA before commence of studies is recommended by the HSB and most preferable!**

Acceptance of internships as cadet

Cadet (Internship):

- The education as cadet is an internship and part of the study course. The **status** on board is “**student**”;
- The contract is to be signed by the cadet, shipping company and HSB (internship coordinator)
- The sea service will be accepted by the university on basis of the TRB Training Record Book.
- The sea service time has to be done on a merchant seagoing vessel greater as 500 GT in international trade;
- Cruise ship times count in maximum 6 months;
- Exemptions for short times are possible (e.g. up to 3 weeks with River or Port Pilots).

Acceptance of other sea service times

Acceptance of other Sea Service Times:

All other sea service times or foreign certificates have to be accepted by the BSH-> German Flag State Authority.

Bundesamt für Seeschifffahrt und Hydrographie
(BSH) Bernhard-Nocht-Str. 78
20359 Hamburg

http://www.bsh.de/de/Schifffahrt/Berufsschifffahrt/Zeugnisse_fuer_Seeleute/index.jsp

Mrs Ulrike Münster

+49 (40) 3190 – 7121

ulrike.muenster@bsh.de

A **Training Record Book** should be used as evidence!

Further information concerning education and competences on the official web site “**Deutsche Flagge**”

<http://www.deutsche-flagge.de/de/befaehigung>

Required documents by the BSH:

- ✓ Personal data sheet / curriculum vita with educational and professional background;
- ✓ Evidence about sea service times for times of training and as officer of the watch;
- ✓ Evidence about theoretical education (duration, content, final document/diploma).

Internships and apprenticeship opportunities

To search for an internship or apprenticeship is on students responsibility!

Verband Deutscher Reeder

Burchardstraße 24

20095 Hamburg

<http://ausbildung.reederverband.de/wege-in-die-seefahrt.html>

Bremer Rhederverein

Bahnhofstraße 28-31

28195 Bremen

<http://www.rhederverein.de/mitglieder.html>

The members of the Bremer Rhederverein promises 30 places for training per year!

Students who will start in Bremen will be supported in contacting!

for NOA and Ship Mechanics contracts:

Berufsbildungsstelle Seeschifffahrt e.V.

Buschhöhe 8

28357 Bremen

http://www.berufsbildungssee.de/tipps_bewerbungen.html

Don't become desperate!

Most shipping companies have only a few positions for on board training. Be flexible and try it with many companies. It will be successful!

5. Application



Application for ISSM

The process of application is explained on the homepage of the University of Applied Sciences Bremen

In **German**;

<http://www.hs-bremen.de/internet/de/studium/bewerbung/>

In **English**:

<http://www.hs-bremen.de/internet/en/studium/bewerbung/>

Application Times:

Winter Semester: 01. June – 15. July

Summer Semester: 15. December – 15. January

Entry requirements:

As general entry qualification a higher education certificate or technical college maturity is required (Abitur / Fachabitur). The education certificates have to be provided as evidence.

All foreigner have to apply via Uni-Assist

http://www.uni-assist.de/index_en.html which will check the entry qualification. If successful passed, the students application will be transferred to the HSB automatically.

The study course ISSM requires a Level B1 in English! The study course is totally in English. The willingness to learn German is urgently recommended. Foreigners who want to gain a German CoC have to show a German level B1 at least.

To start a seafarers career needs a medical check and a health certificate which is done by the flag state authority.

Application for refugees

HERE | Higher
Education
Refugees
Entrance
IN TOUCH

The state of Bremen supports refugees who like to study in Bremen.

A contact office is available to support refugees in questions of pre-qualification and application.

<https://www.bremer-wissen.de/en/study/informieren/university-for-refugees/>

Semester Fees

To study at the HSB is in general for free. A fee has to be paid per semester which includes the semester ticket (free riding all public transport) and fees for the university and students administration.

Actual the fee is about 300 Euro per semester.

Details can be checked on the webpage of the HSB:

<http://www.hs-bremen.de/internet/en/studium/finanzen/>

Self Assessment

Do I know what to expect

- Do I want to go to sea?
- Do I like to work in an international working environment?
- Do I accept to be away from my beloved for several months?
- Do I love ships?
- Do I be interested in shipping and maritime business?
- Do I like to speak English and be part of an international community?

All answered with YES?

Come to Bremen and study ISSM! You will start a fantastic career!

„All is difficult,
before it get's easy.“